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規則4.17に規定する申立て:
— AU, CA, CN, KR, ヨーロッパ特許 (DE, FR, SE) の指定のための出願し及び特許を与える出願人の資格に関する申立て (規則4.17(ii))(30)優先権データ:
特願2002-202569 2002年7月11日 (11.07.2002) JP

— AU, CA, CN, KR, ヨーロッパ特許 (DE, FR, SE) の指定のための先の出願に基づく優先権を主張する出願人の資格に関する申立て (規則4.17(iii))

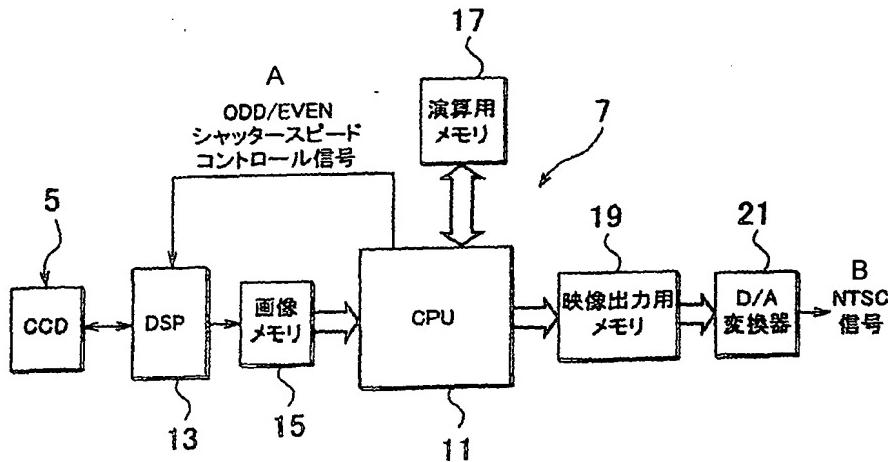
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(54) Title: IMAGE PICKUP SYSTEM

(54)発明の名称: 撮像システム



A...ODD/EVEN SHUTTER SPEED CONTROL SIGNAL

19...VIDEO OUTPUT MEMORY

15...IMAGE MEMORY

21...D/A CONVERTER

17...CALCULATION MEMORY

B...NTSC SIGNAL

(57) Abstract: An image pickup system includes an IR lamp for applying infra-red ray forward, a CCD camera (5) for imaging the forward and converting it into an electric signal, and an image processing unit (7) for changing the signal accumulation time of the CCD camera (5) by a predetermined cycle and continuously and periodically outputting images of different exposure amounts. The image processing unit (7) prolongs the images of different exposure amounts in the longitudinal direction and averages signal levels of the both images after prolonged, thereby forming a combined image.

〔統葉有〕

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/08778

A. CLASSIFICATION OF SUBJECT MATTER
Int.Cl⁷ H04N5/235, 5/225, 5/33, 5/335

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ H04N5/235, 5/225, 5/33, 5/335

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1922-1996	Jitsuyo Shinan Toroku Koho	1996-2003
Kokai Jitsuyo Shinan Koho	1971-2003	Toroku Jitsuyo Shinan Koho	1994-2003

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 11-201741 A (Omron Corp.), 30 July, 1999 (30.07.99), Full text; Figs. 1 to 24 (Family: none)	1-6
X	JP 5-56343 A (Olympus Optical Co., Ltd.), 05 March, 1993 (05.03.93), Full text; Figs. 1 to 4 (Family: none)	1-6
A	JP 2001-148805 A (Matsushita Electric Industrial Co., Ltd.), 29 May, 2001 (29.05.01), Column 23, line 25 to column 24, line 14; Figs. 25 to 27 & WO 01/39490 A1 & EP 1237363 A1 & CN 1413411 T	1-6

 Further documents are listed in the continuation of Box C. See patent family annex.

- * Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
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Date of the actual completion of the international search
27 October, 2003 (27.10.03)Date of mailing of the international search report
11 November, 2003 (11.11.03)Name and mailing address of the ISA/
Japanese Patent Office

Authorized officer

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Telephone No.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP03/08778

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 2000-228747 A (Olympus Optical Co., Ltd.), 15 August, 2000 (15.08.00), Full text; Figs. 1 to 16 (Family: none)	1-6
A	JP 11-98418 A (Toyota Central Research And Development Laboratories, Inc.), 09 April, 1999 (09.04.99), Column 7, line 38 to column 8, line 40; Figs. 10 to 13 (Family: none)	1-6